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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
08/794,772	02/03/1997	SHINJI SHIRAGA	35.G1271-CI	7040

5514 7590 03/19/2004

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NEW YORK, NY 10112

EXAMINER

NGUYEN, JENNIFER T

ART UNIT	PAPER NUMBER
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2674

DATE MAILED: 03/19/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

08/794,772

Applicant(s)

SHIRAGA, SHINJI

Examiner

Jennifer T Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 February 1997.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,4-7,9 and 10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4-7,9 and 10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. This Office action is responsive to amendment filed on 12/4/2003.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 4-7, 9, and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Motoyanagi (U.S. Patent No. 5,182,655) in view of DeArras et al. (U.S. Patent No. 5,659,761).

Regarding claims 1 and 7, referring to Figs. 1 and 5, Motoyanagi teaches an electric equipment (200) having a power saving modes comprising: deriving means (21) for deriving remaining capacity of a battery (20), selecting means (12) for selecting one of a plurality of power saving modes (i.e., memory reception modes), calculating means (9) for calculating a remaining operating time from data derived by said deriving means, and display means (13a) for displaying both the power saving mode selected by said selecting means (12) and the remaining operating time calculated by said calculating means (9) (col. 1, lines 45-53, from col. 1, line 61 to col. 2, line 35, col. 4, lines 47-68, col. 5, lines 16-29 and col. 8, lines 34-59).

Motoyanagi differs from claims 1 and 7 in that he does not specifically teach a plurality of power saving modes, wherein each power saving mode is arranged for saving power consumption and the one of the plurality of power saving modes selected by said selecting means. However, referring to Figs. 3B, 4, and 6, DeArras teaches a plurality of power saving

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modes (i.e., first to fourth power mode) (Fig. 4), wherein each power saving mode is arranged for saving power consumption and the one of the plurality of power saving modes selected by said selecting means (110) (Fig. 6) (from col. 7, line 10 to col. 8, line 29 and col. 10, lines 30-32). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the plurality of power saving modes and the selecting means as taught by DeArras in the system of Motoyanagi in order to allow user to select the desirable and appropriate power saving mode for the operation of the electronic device.

Regarding claim 4, Motoyanagi further teaches control means (4) for controlling a processing speed and a brightness of display (13a) in said equipment (200) responsive to said selecting means (12) (Fig. 5, col. 7, lines 60-66).

Regarding claim 5, Motoyanagi further teaches main display means (13a) for displaying data in relation to processed data in the electric equipment (200) (col. 4, lines 30-37).

Regarding claim 6, Motoyanagi further teaches display means (13a) continuously displays the power saving mode and said remaining battery capacity (col. 3, lines 33-40, col. 6, lines 11-26).

Regarding claims 9 and 10, Motoyanagi teaches an electric equipment having a power saving mode comprising: a deriving means (21) for deriving remaining capacity of a battery (20), a power saving modes, calculating means (9) for calculating a remaining operating time from data derived by said deriving means and display means (13a) for displaying both the power saving mode selected by said selecting means (12) and the remaining operating time calculated by said calculating means (9), and control means (4) for controlling a brightness of display in

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response to the power saving mode selected by said selecting means (from col. 3, line 18 to col. 4, line 68 and col. 7, lines 57-68).

Motoyanagi differs from claims 9 and 10 in that he does not specifically teach a plurality of power saving modes, wherein each power saving mode is arranged for saving power consumption and the one of the plurality of power saving modes selected by said selecting means. However, referring to Figs. 3B, 4, and 6, DeArras teaches a plurality of power saving modes (i.e., first to fourth power mode) (Fig. 4), wherein each power saving mode is arranged for saving power consumption and the one of the plurality of power saving modes selected by said selecting means (110) (Fig. 6) (from col. 7, line 10 to col. 8, line 29 and col. 10, lines 30-32). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the plurality of power saving modes and the selecting means as taught by DeArras in the system of Motoyanagi in order to allow user to select the desirable and appropriate power saving mode for the operation of the electronic device.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Jennifer T. Nguyen** whose telephone number is **703-305-3225**. The examiner can normally be reached on Mon-Fri from 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard A Hjerpe** can be reach at **703-305-4709**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, DC. 20231


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Or faxed to: 703-872-9306 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, sixth-floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is 703-306-0377.

JNguyen
03/12/2004


REGINA LIANG
PRIMARY EXAMINER